

**FOURTH SEMESTER**

Applied Pharmacology	ALH	A130	(2)
Food Science (Or)	FN	A195	(4-5)
Introductory Chemistry (5)	CHEM	A110	
Advanced Nutrition Care	NC	A285	(2)
Supervised Practice 2	NC	A286	(3)

**Subtotal: (49.5-50.5)**

**Total: (56-57)**

**Suggested electives:**

Human Diseases	ALH	A120	(2)
Current Issues Food/Nutr/Food Sci	FN	A199	(.5-1)
Child Growth & Development	HMDV	A180	(3)
Ethics	PHIL/RLST	A120	(3)
Introductory Sociology	SOC	A100	(3)
Interpersonal Communication	CMST	A100	(3)

Upon successful completion of these courses (with grade of "C" or better) and the General Education Requirements, students will receive a Letter of Verification from the program director confirming that all requirements of the program have been met. Students will then be eligible for membership in the American Dietetic Association and for taking the National Registration Exam administered by the Commission on Dietetic Registration, the American Dietetic Association.

This program has been granted full accreditation by the Commission on Accreditation/Approval for Dietetics Education of the American Dietetics Association, 120 S. Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, (800) 877-1600.

See *Nutrition Careers* for related certificates.

## DIGITAL MEDIA ARTS AND DESIGN

## DIGITAL GRAPHICS PRODUCTION

**CERTIFICATE OF ACHIEVEMENT**

**Required Courses**

Course			Units
Introduction to Computer Graphics	DMAD	A181	(3)
Graphic Design	DMAD	A182	(4)
Designing for Print	DMAD	A183	(4)
Illustration & Computer Graphics w/Adobe Illustrator	DMAD	A190	(4)
Photography and Graphics w/Photoshop	DMAD	A193	(4)
<b>Total</b>			<b>(19)</b>

**Recommended:**

Color & Design 2-D	ART	A110	(3)
Lettering/Digital Typography	DMAD	A115	(4)

## GRAPHIC DESIGN

This program is designed for the person who wants a concentrated course of study in the field of digital media arts and design. The OCC Digital Media Arts and Design program is unique and bases its wide reputation on its emphasis on visual literacy. Concept development and the generation of a portfolio suitable for job applications or transfer to a degree program is a major focus in each of the core courses.

Students from a wide range of disciplines are discovering the creative visual potential of the computer and are applying their newly acquired skills in innovative ways, competing successfully on an international level with work generated here at OCC.

While the program provides broad-based entry level training for a variety of industries, students are encouraged to work toward an Associate in Arts degree.

**Program Outcomes**

Students will be able to:

1. Demonstrate skill in design utilizing industry standard graphics software.
2. Demonstrate techniques in digital lettering and Typography.
3. Prepare digital files for printing.
4. Create a portfolio utilizing a variety of design techniques for the purpose of gaining employment and/or acceptance to an Art College or University.

**CERTIFICATE OF ACHIEVEMENT**

**Required Courses**

Course			Units
<b>FIRST SEMESTER</b>			
Color & Design 2-D	ART	A110	(3)
Freehand Drawing	ART	A120	(3)
Intro to Computer Graphics	DMAD	A181	(3)
<b>SECOND SEMESTER</b>			
Lettering/Digital Typography	DMAD	A115	(4)
History of Graphic Design	DMAD	A151	(3)
Graphic Design	DMAD	A182	(4)
<b>THIRD SEMESTER</b>			
Illus & Computer Graphics 1	DMAD	A190	(4)
Photo Graphics w/Photoshop1	DMAD	A193	(4)
Web Design/Artists Web Dsgnr	DMAD	A200	(4)
<b>FOURTH SEMESTER</b>			
Rapid Illustration	DMAD	A117	(4)
Designing for Print	DMAD	A183	(4)
2-D Animation	DMAD	A280	(4)
<b>Subtotal:</b>			<b>(44)</b>
<b>Additional course taken at any point:</b>			
Arts Internship	THEA	A181	(2)
<b>Total:</b>			<b>(46)</b>

## Suggested electives:

Color & Design 3-D	ART	A111	(3)
Application of Color Theory	ART	A112	(3)
Product Illustration 1	ART	A118	(2)
Life Drawing	ART	A121	(3)
Painting 1	ART	A130	(3)
Story Illustration Techniques	ART	A143	(3)
Printmaking 1	ART	A170	(3)
Cartooning 1	ART	A269	(3)
Intro to Business	BUS	A100	(3)
Small Business Ownership	BUS	A240	(3)
Intro to Web Page Design	CIS	A123	(2)
JavaScript Programming	CIS	A171	(2)
ASP .NET Programming	CIS	A224	(4)
Photo Graphics w/Photoshop 2	DMAD	A195	(4)
Image Processing Digital Video	DMAD	A262	(4)
3-D Computer Graphics Animation	DMAD	A281	(4)
Portfolio Development	DMAD	A289	(3)
Video Workshop	FILM	A110	(3)
Digital Film/Video Editing	FILM	A194	(3)
Intro to Humanities	HUM	A100	(3)
Principles of Advertising	MKTG	A130	(3)
Intro to Photography	PHOT	A120	(3)
Art Photography	PHOT	A283	(4)

## ASSOCIATE DEGREE

Complete the Certificate of Achievement and Associate in Arts Graduation Requirements as outlined in the Graduation Requirements section of the catalog.

## MULTIMEDIA

The Multimedia certificate is designed to prepare the student for an entry level position in the multimedia industry. The student will be exposed to a broad range of media, including art, photography, video, animation, music, text, and the techniques required to incorporate them into digital media.

Digital Media Arts and Design is an important sector of the economy and industry is eager to find qualified candidates who not only understand a particular media but also know how to put together multimedia projects.

## Program Outcomes

Students will be able to:

1. Demonstrate skill in design utilizing industry standard graphics software.
2. Design and create website projects that demonstrate originality, navigation innovation, engagement with image and text relationships and website construction skills.
3. Demonstrate proficiency in the basic skills of digital animation.

## CERTIFICATE OF ACHIEVEMENT

### Required Courses

Courses			Units
<b>FIRST SEMESTER</b>			
Color & Design 2-D	ART	A110	(3)
Freehand Drawing	ART	A120	(3)
Intro to Computer Graphics	DMAD	A181	(3)

## SECOND SEMESTER

Illus & Computer Graphics	DMAD	A190	(4)
Photo Graphics w/Photoshop1	DMAD	A193	(4)
Intro to Photography	PHOT	A120	(3)

## THIRD SEMESTER

History of Media Arts	DMAD	A150	(3)
Motion Graphics/Video Compositing	DMAD	A263	(4)
2-D Animation	DMAD	A280	(4)

## FOURTH SEMESTER

Web Design/Artists Graph Dsgn	DMAD	A200	(4)
3-D Computer Graphics Animation	DMAD	A281	(4)

**Subtotal: (39)**

### Additional course taken at any point:

Arts Internship	THEA	A181	(2)
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**(2)**

### Select one (1) from the following:

Contemporary Art History	ART	A102	(3)
Image Processing Digital Video	DMAD	A262	(4)
Portfolio Development	DMAD	A289	(3)
His & Appr of Cinema	FILM	A100	(3)
History & Aesthetics of Photo	PHOT	A130	(3)

**(3-4)**

**Total: (44-45)**

### Suggested electives:

Color & Design 3-D	ART	A111	(3)
Life Drawing	ART	A121	(3)
Story Illustration Techniques	ART	A143	(3)
Photo Graphics w/Photoshop 2	DMAD	A195	(4)
Digital Film/Video Editing	FILM	A194	(3)
Story Dev & Production	FILM	A240	(3)
Fundamentals of Music	MUS	A115	(3)
Intro to Sound Reinforcement	MUS	A236	(3)
Recording Techniques	MUS	A261	(2)
Art Photography	PHOT	A283	(4)

## ASSOCIATE DEGREE

Complete the Certificate of Achievement and Associate in Arts Graduation Requirements as outlined in the Graduation Requirements section of the catalog.

## DISPLAY AND VISUAL PRESENTATION

This certificate is designed to prepare students seeking careers as display and exhibit designers and covers interior, industrial, thematic, and promotional displays. The training program includes consideration of the total visual presentation design and production, including store planning, service promotion mix applied to retailers, wholesalers (trade show), corporate display, visual identity, and exhibits in cultural institutions (museums and galleries). Students are encouraged to work toward an Associate in Arts degree.

**Employment possibilities include:**

- Display Designer**
- Visual Merchandising Stylist**
- Display Division Assistant**
- Display Manager/Director**
- Regional Display Director**
- Exhibit Designer**
- Retail Space Planner/Designer**

**Program Outcomes**

Students will be able to:

1. Produce a digital presentation of a specific retail venue, illustrating continuity of theme through physical appearance, room settings, signage, merchandise, and website presentation.
2. Create the packaging for a product that will include product graphics and design, the merchandising concept for the retail venue, and an initial event or promotion to launch the product.

**CERTIFICATE OF ACHIEVEMENT**

**Required Courses**

Course			Units
<b>FALL</b>			
Color & Design 2-D	ART	A110	(3)
Freehand Drawing	ART	A120	(3)
Exhibition Design 1	ART	A145	(3)
Intro to Display & Visual Presentation	DVP	A180	(3)
Principles of Advertising	MKTG	A130	(3)
<b>SPRING</b>			
Color & Design 3-D	ART	A111	(3)
Graphic Design	DMAD	A182	(4)
Intro to Photography	PHOT	A120	(3)
<b>Total:</b>			<b>(25)</b>
<b>Suggested electives:</b>			
Contemporary Art History	ART	A102	(3)
Rapid Illustration Techniques	DMAD	A117	(4)
Basic Comp Aided Design/Draft	DRAF	A150	(4)

**ASSOCIATE DEGREE**

Complete the Certificate of Achievement and Associate in Arts Graduation Requirements as outlined in the Graduation Requirements section of the catalog.

## DRAFTING TECHNOLOGY

### COMPUTER AIDED DESIGN/DRAFTING

With an emphasis in Architectural Technology, Electro-Mechanical, or Mechanical Design/Drafting. This option is designed to provide students with the basic skills to enter computer aided design/drafting in any one of several areas.

CADD instruction includes the use of hardware and software to develop working drawings in architectural, electronic and mechanical design drafting. The CADD lab is state-of-the-art equipped with IBM computers and Autocad software.

The student may receive a Certificate of Achievement in one or more areas of emphasis within the program.

**Program Outcome**

Students will be able to use AutoCAD software to create, modify, reproduce and archive industry representative drawings.

**CERTIFICATE OF ACHIEVEMENT**

**Required prerequisite:**

Architectural Drafting Certificate of Achievement	(19)
(Or)	
Electro-Mechanical Design/Drafting Certificate of Achievement	(19)
(Or)	
Mechanical Design/Drafting Certificate of Achievement	(22)

**Subtotal: (19-22)**

**Required Courses**

Course			Units
<b>FALL</b>			
Basic Comp Aided Dsgn/Draft	DRAF	A150	(4)
<b>SPRING</b>			
<b>Select one or more of the following:</b>			
Adv Comp Aided Dsgn/Draft- Electro-Mechanical	DRAF	A156	(4)
CADD Mechanical	DRAF	A157	(4)
CADD Architectural (4)	DRAF	A158	(4)

**Total: (27-38)**

*The student is encouraged to work towards attaining an Associate Degree in conjunction with the certificate.*